

THE 2010-2011

[illegible]

<223> allele of SEQ ID NO: 5

caccgcgcag ctccaggact gcccttctct gggccaacta accaaacaac tgggaagagc 60
ccccaaactcc aacaggatta ttttcccgagg agga 94

<213> Homo sapiens

<223> allele of SEQ ID NO: 4; pivotal nucleotide (45)

caccgcgcag ctccaggact gcccttctct gggccaacta accagacaac tgggaagagc 60
ccccaactcc aacaggatta ttttcccagg agga 94

<213> Homo sapiens

aactctctcc caagagcgat tggcgagtga gtt 33

<213> Homo sapiens

cactcacgca aacgggattg gcgagtgagt g 31

<213> Homo sapiens

gagagccagc tctgcacaag ccattctcctg tccacgatgt aaaacgacgg ccagt 55

<212> DNA

<213> Homo sapiens

<220>

<223> chromosome 4p16; GenBank number AC006230; Unigene
description/ID: RNA-binding protein S1,
serine-rich domain (RNPSI)/Hs.75104

<220>

<223> allele of SEQ ID NO: 10

<400> 9

acacaccgca cccaccact gtactctgaa attggcgagt gagttgagag ccagctctgc 60
ggggtcatca cgcagccatg gttgtgcctg 90

<210> 10

<211> 90

<212> DNA

<213> Homo sapiens

<220>

<223> allele of SEQ ID NO: 9; pivotal nucleotide (45)

<400> 10

acacaccgca cccaccact gtactctgaa attggcgagt gagtggagag ccagctctgc 60
ggggtcatca cgcagccatg gttgtgcctg 90

<210> 11

<211> 33

<212> DNA

<213> Homo sapiens

<400> 11

aactctctcc caagagcgat tagcctgtgg caa 33

<210> 12

<211> 30

<212> DNA

<213> Homo sapiens

<400> 12

cactcacgca aacgggtag cctgtggcag 30

<210> 13

<211> 57

<212> DNA

<213> Homo sapiens

<400> 13

<211> 54
 <212> DNA
 <213> Homo sapiens

<400> 18
 ggctgtctg tccactcaag cgattcctcg tgcgcatgta aaacgacggc cagt 54

<210> 19
 <211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <223> chromosome 6p21.3; GenBank number AF029750;
 Unigene description/ID: TAP binding protein
 (tapasin) (TAPBP)/Hs.179600

<220>
 <223> allele of SEQ ID NO: 20

<400> 19
 ccttaggtcc ctatgccggc gcggggttac agcagtggac agacaggcca gtcctgtcc 60
 tcgaggagcc catgatccgc ggggagacag gcatttaa 98

<210> 20
 <211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <223> allele of SEQ ID NO: 19; pivotal nucleotide (50)

<400> 20
 ccttaggtcc ctatgccggc gcggggttac agcagtggac agacaggccg gtcctgtcc 60
 tcgaggagcc catgatccgc ggggagacag gcatttaa 98

<210> 21
 <211> 36
 <212> DNA
 <213> Homo sapiens

<400> 21
 aactctctcc caagagcgat tccttatttg attgct 36

<210> 22
 <211> 33
 <212> DNA
 <213> Homo sapiens

[illegible]

29

59

90

90

<210> 31
<211> 35
<212> DNA
<213> Homo sapiens

<400> 31
aactctctcc caagagcgat acacggctaa tcatt 35

<210> 32
<211> 32
<212> DNA
<213> Homo sapiens

<400> 32
cactcacgca aacgggtaca cggctaataca tg 32

<210> 33
<211> 60
<212> DNA
<213> Homo sapiens

<400> 33
gaaaattatg atctttgtta ggatcacctg taccgtcccg catgtaaaac gacggccagt 60

<210> 34
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<223> chromosome 10q25-q26; GenBank number NM_006793;
Unigene description/ID: antioxidant protein 1
(AOP1)/Hs.75454

<220>
<223> allele of SEQ ID NO: 35

<400> 34
tttgtattaa actgaatttt cttttaagct aacaaagatc ataattttca atgattagcc 60
gtgtaactcc tgcaatgaat gtttatgtga ttgaagc 97

<210> 35
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<223> allele of SEQ ID NO: 34; pivotal nucleotide (50)

<400> 35
 tttgtattaa actgaatttt cttttaagct aacaaagatc ataattttcc atgattagcc 60
 gtgtaactcc tgcaatgaat gtttatgtga ttgaagc 97

<210> 36
 <211> 33
 <212> DNA
 <213> Homo sapiens

<400> 36
 aactctctcc caagagcgat ccaaccaact tgg 33

<210> 37
 <211> 31
 <212> DNA
 <213> Homo sapiens

<400> 37
 cactcagca aacgggatcc aaccaacttg t 31

<210> 38
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 38
 ttctgcttca ataaatcttc gcaagacagg atttaggcgc atgtaaaacg acggccagt 59

<210> 39
 <211> 70
 <212> DNA
 <213> Homo sapiens

<220>
 <223> chromosome 10p13; GenBank number M25246; Unigene
 description/ID: vimentin (VIM)/Hs.2064

<220>
 <223> allele of SEQ ID NO: 40

<400> 39
 tgcttttttt tttccagcaa gtatccaacc aacttggttc tgcttcaata aatctttgga 60
 aaaactcaaa 70

<210> 40
 <211> 70
 <212> DNA

<213> Homo sapiens

<220>

<223> allele of SEQ ID NO: 39; pivotal nucleotide (37)

<400> 40

tgcttttttt tttccagcaa gtatccaacc aacttgtttc tgcttcaata aatctttgga 60
aaaactcaaa 70

<210> 41

<211> 33

<212> DNA

<213> Homo sapiens

<400> 41

aactctctcc caagagcgac cgctctgacc acc 33

<210> 42

<211> 30

<212> DNA

<213> Homo sapiens

<400> 42

cactcacgca aacgggcccgc tctgaccact 30

<210> 43

<211> 55

<212> DNA

<213> Homo sapiens

<400> 43

gacaggcaga gcaaaggtgc tggctggatt atggcgatgt aaaacgacgg ccagt 55

<210> 44

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<223> chromosome Chr.11, 540.2 cR, YAC cont; GenBank
number AW663645; Unigene description/ID: ESTs,
weakly similar to Phospholemman precursor /Hs.3807

<220>

<223> allele of SEQ ID NO: 45

<400> 44

ggagcctgct gagtctccaa cccacctcgc tcaccgctct gaccaccgac aggagagca 60

aaggatgcgg gagttgcctc tgctgcccat cta

93

<210> 45

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<223> allele of SEQ ID NO: 44; pivotal nucleotide (47)

<400> 45

ggagcctgct gagtctccaa cccacctgc tcaccgtctt gaccactgac aggcagagca 60
aaggatgcgg gagttgcctc tgctgcccat cta 93

<210> 46

<211> 34

<212> DNA

<213> Homo sapiens

<400> 46

aactctctcc caagagcgat taggtgctaa accg 34

<210> 47

<211> 31

<212> DNA

<213> Homo sapiens

<400> 47

cactcacgca aacggggttag gtgctaaacc a 31

<210> 48

<211> 56

<212> DNA

<213> Homo sapiens

<400> 48

tttattttcc acggatggaa cgatcacgtg cgcaacgatg taaaacgacg gccagt 56

<210> 49

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<223> chromosome Chr.11, D11S1357-D11S9; GenBank number
AW593045; Unigene description/ID:
ubiquitin-conjugating enzyme E2L 6/Hs.169895

<220>

<223> allele of SEQ ID NO: 50

<400> 49

tgagtcagcc aagccactga tgggaatata cagatttagg tgctaaaccg tttattttcc 60
acggatgagt cacaatctga agaatcaaac ttccatc 97

<210> 50

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<223> allele of SEQ ID NO: 49; pivotal nucleotide (50)

<400> 50

tgagtcagcc aagccactga tgggaatata cagatttagg tgctaaacca tttattttcc 60
acggatgagt cacaatctga agaatcaaac ttccatc 97

<210> 51

<211> 31

<212> DNA

<213> Homo sapiens

<400> 51

cactcagca aacgggttgg cagcatcttc c 31

<210> 52

<211> 55

<212> DNA

<213> Homo sapiens

<400> 52

ttgcctgtga taagttgcaa gcacagcgat ggctgattgt aaaacgacgg ccagt 55

<210> 53

<211> 55

<212> DNA

<213> Homo sapiens

<400> 53

ttgcctgtga taagttgcaa gcacagcgat ggctgattgt aaaacgacgg ccagt 55

<210> 54

<211> 94

<212> DNA

<213> Homo sapiens

07-06-2018

<220>

<400> 54

<210> 55

<212> DNA

<220>

<400> 55

<210> 56

<211> 34

<212> DNA

<400> 56

<210> 57

<211> 32

<212> DNA

<400> 57

<210> 58

<211> 58

<212> DNA

<400> 58

13

<210> 59
 <211> 97
 <212> DNA
 <213> Homo sapiens

<220>
 <223> chromosome hr. 17, D17S922-D17S79; GenBank number
 AW592223; Unigene description/ID: ESTs, weakly
 similar to C. elegans sulphatases /Hs.12124

<220>
 <223> allele of SEQ ID NO: 60

<400> 59
 tagaccact gatcctgtta ctctgcttgt ctctggtgtg cagggaatca ttttgctgga 60
 ttagaggaaa ggtgccgccc tctgtttcca tgacttc 97

<210> 60
 <211> 97
 <212> DNA
 <213> Homo sapiens

<220>
 <223> allele of SEQ ID NO: 59; pivotal nucleotide (51)

<400> 60
 tagaccact gatcctgtta ctctgcttgt ctctggtgtg cagggaatca ctttgctgga 60
 ttagaggaaa ggtgccgccc tctgtttcca tgacttc 97

<210> 61
 <211> 36
 <212> DNA
 <213> Homo sapiens

<400> 61
 aactctctcc caagagcgat taaaagagca aagttt 36

<210> 62
 <211> 34
 <212> DNA
 <213> Homo sapiens

<400> 62
 cactcacgca aacgggatta aaagagcaaa gtta 34

<210> 63
 <211> 56
 <212> DNA

<213> Homo sapiens

<400> 63

cccctccctt tcttacagtt cgcaactcgca actccgcatg taaaacgacg gccagt 56

<210> 64

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<223> chromosome Chr.18, 19.6 cR; GenBank number
AW576208; Unigene description/ID: KIAA0249 gene
product/ Hs. 166318

<220>

<223> allele of SEQ ID NO: 65

<400> 64

agatgaaaac tactcttttg gttttgtttg aaagtaagaa agggagggga aactttgctc 60
ttttaataat tatgttcagc ctatgatgaa gtatttgat 99

<210> 65

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<223> allele of SEQ ID NO: 64; pivotal nucleotide (50)

<400> 65

agatgaaaac tactcttttg gttttgtttg aaagtaagaa agggaggggt aactttgctc 60
ttttaataat tatgttcagc ctatgatgaa gtatttgat 99

<210> 66

<211> 19

<212> DNA

<213> Homo sapiens

<220>

<223> primer

<400> 66

aactctctcc caagagcga 19

<210> 67

<211> 16

<212> DNA

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<223> primer

cactcacgca aacggg

16

<211> 18

<213> Homo sapiens

<223> primer

actggccgtc gttttaca

18

<211> 94

<213> Homo sapiens

<223> complement of SEQ ID NO: 4

tcctcctggg aaaataatcc tgttggagtt gggggctctt cccagttggt tggttagttg 60

gcccaggaag gggcagtcct ggagctggcg ggtg 94

$\langle 211 \rangle$ 90

<213> Homo sapiens

<223> complement of SEQ ID NO: 9

caggcacaac catggctgcg tgatgacccc gcagagctgg ctctcaactc actcgccaat 60

ttcagagtac agtgggtgggg tgcggtgtgt 90

<211> 88

<213> Homo sapiens

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<400> 79

<210> 80

<212> DNA

 $\langle 220 \rangle$

<400> 80

<210> 81

<212> DNA

<220>

<400> 81

<210> 82

<212> DNA

<220>

<400> 82

<210> 83

<212> DNA

19

<220>

<223> complement of SEQ ID NO: 10

<400> 83

caggcacaac catggctgcg tgatgacccc gcagagctgg ctctccactc actcgccaat 60
ttcagagtac agtgggtggg tgcggtgtgt 90

<210> 84

<211> 88

<212> DNA

<213> Homo sapiens

<220>

<223> complement of SEQ ID NO: 15

<400> 84

gagatttagc agctttgtcg tcatgtagca caaagtttct ctttactgcc acaggctaag 60
aatgctgaac aggaaaggca ccaaagaa 88

<210> 85

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<223> complement of SEQ ID NO: 20

<400> 85

ttaaattgct gtctccccgc ggatcatggg ctctctgagg acagggaccg gcctgtctgt 60
cactgctgt aaccccgcg cgcataggg acctaagg 98

<210> 86

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<223> complement of SEQ ID NO: 25

<400> 86

cacaaatttg cacataaaga atgtcacgaa cagccatgta tccatatacg gcaatcaa 60
aaggaactta tgacctaaag caaaggtaaa ctttcttg 98

<210> 87

<211> 90

<212> DNA

<213> Homo sapiens

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<220>

<223> complement of SEQ ID NO: 50

<400> 91

gatggaagtt tgattcttca gattgtgact catccgtgga aaataaatgg tttagcacct 60
aaatctgtat attcccatca gtggcttggc tgactca 97

<210> 92

<211> 94

<212> DNA

<213> Homo sapiens

<220>

<223> complement of SEQ ID NO: 55

<400> 92

ggcacctacc gccagctctt ccaccctgag caacttatca caggcaagga agatgctgcc 60
aataactatg cccgagggca ctacaccatt ggca 94

<210> 93

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<223> complement of SEQ ID NO: 60

<400> 93

gaagtcattgg aaacagacgg cggcaccttt cctctaattcc agcaaagtga ttccctgcac 60
accagagaca agcagagtaa caggatcagt ggggtcta 97

<210> 94

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<223> complement of SEQ ID NO: 65

<400> 94

atcaaatact tcattcatagg ctgaacataa ttattaaaag agcaaagtta cccctccctt 60
tcttactttc aaacaaaacc aaaagagtag ttttcatct 99